ELSEVIER

Forest Ecology and Management 67 (1994) 372–373

Forest Ecology and Management

Contents of *Forest Ecology and Management*, Volume 67

VOL. 67 NOS. 1–3 **AUGUST 1994**

The success of pine sawflies in relation to 3-carene and nutrient content of Scots pine foliage
P. Lyytikäinen (Vantaa, Finland) 1
Infestation dynamics of *Dioryctria sylvestrella* (Ratz.) (Lepidoptera: Pyralidae) in pruned maritime pine (*Pinus pinaster* Ait.)
H. Jactel, P. Menassieu and G. Raise (Cestas, France) 11
The effectiveness of plus-tree selection for yield
J. Cornelius (Cartago, Costa Rica) 23
A bi-segmental curve fitting approach to improve the accuracy of site index equations
Y. Wang and B. Payandeh (Sault Ste. Marie, Ont., Canada) 35
Influences of pin cherry (*Prunus pensylvanica* L. f.) on growth and development of young even-aged northern hardwoods
E. Heitzman (Frankfort, KY, USA) and R.D. Nyland (Syracuse, NY, USA) 39
The structure of lowland rainforest after selective logging in West Kalimantan, Indonesia
C.H. Cannon (Cambridge, MA, USA), D.R. Peart (Hanover, NH, USA), M. Leighton (Cambridge, MA, USA) and K. Kartawinata (Chicago, IL, USA) 49
Modelling photosynthetic responses of a spruce canopy to SO_2 exposure
F.R. Meng and P.A. Arp (Fredericton, N.B., Canada) 69
Incorporating the effects of interspecific competition and vegetation management treatments in stand table projection models for Douglas-fir saplings
S.A. Knowe (Corvallis, OR, USA) 87
Effect of competition control treatments on height–age and height–diameter relationships in young Douglas-fir plantations
S.A. Knowe (Corvallis, OR, USA) 101
Factors influencing the occurrence of mammals in retained linear strips (wildlife corridors) and contiguous stands of montane ash forest in the Central Highlands of Victoria, southeastern Australia
D.B. Lindenmayer, R.B. Cunningham, C.F. Donnelly (Canberra, A.C.T., Australia), B.E. Triggs (Genoa, Vic., Australia) and M. Belvedere (Diamond Creek, Vic., Australia) 113
Effects of timber harvesting on low elevation populations of southern Appalachian salamanders
J.W. Petranka, M. P. Brannon, M.E. Hopey (Asheville, NC, USA) and C.K. Smith (High Point, NC, USA) 135
Nutritional quality of deer browse in southern Appalachian clearcuts and mature forests
W.M. Ford, A. S. Johnson and P.E. Hale (Athens, GA, USA) 149
Predicting tree growth from crown variables in managed northern hardwood stands
W.G. Cole and C.G. Lorimer (Madison, WI, USA) 159
Biomass and litter accumulation under managed and natural tropical fallows
L.T. Szott (Raleigh, NC, USA), C.A. Palm (Nairobi, Kenya) and C.B. Davey (Raleigh, NC, USA) 177
White pine seed-tree legacies in an aspen landscape: influences on post-disturbance white pine population structure
B.J. Palik and K.S. Pregitzer (East Lansing, MI, USA) 191
Studies of the soil atmosphere and related physical characteristics in peat forest soils
T. Magnusson (Umeå, Sweden) 203
Soil organic matter relations in five land cover types in the miombo region (Zimbabwe)
J.A. King and B.M. Campbell (Harare, Zimbabwe) 225

ELSEVIER

Forest Ecology and Management 67 (1994) 372–373

Forest Ecology and Management

Contents of *Forest Ecology and Management*, Volume 67

VOL. 67 NOS. 1–3 **AUGUST 1994**

The success of pine sawflies in relation to 3-carene and nutrient content of Scots pine foliage
P. Lyytikäinen (Vantaa, Finland) 1
Infestation dynamics of *Dioryctria sylvestrella* (Ratz.) (Lepidoptera: Pyralidae) in pruned maritime pine (*Pinus pinaster* Ait.)
H. Jactel, P. Menassieu and G. Raise (Cestas, France) 11
The effectiveness of plus-tree selection for yield
J. Cornelius (Cartago, Costa Rica) 23
A bi-segmental curve fitting approach to improve the accuracy of site index equations
Y. Wang and B. Payandeh (Sault Ste. Marie, Ont., Canada) 35
Influences of pin cherry (*Prunus pensylvanica* L. f.) on growth and development of young even-aged northern hardwoods
E. Heitzman (Frankfort, KY, USA) and R.D. Nyland (Syracuse, NY, USA) 39
The structure of lowland rainforest after selective logging in West Kalimantan, Indonesia
C.H. Cannon (Cambridge, MA, USA), D.R. Peart (Hanover, NH, USA), M. Leighton (Cambridge, MA, USA) and K. Kartawinata (Chicago, IL, USA) 49
Modelling photosynthetic responses of a spruce canopy to SO_2 exposure
F.R. Meng and P.A. Arp (Fredericton, N.B., Canada) 69
Incorporating the effects of interspecific competition and vegetation management treatments in stand table projection models for Douglas-fir saplings
S.A. Knowe (Corvallis, OR, USA) 87
Effect of competition control treatments on height–age and height–diameter relationships in young Douglas-fir plantations
S.A. Knowe (Corvallis, OR, USA) 101
Factors influencing the occurrence of mammals in retained linear strips (wildlife corridors) and contiguous stands of montane ash forest in the Central Highlands of Victoria, southeastern Australia
D.B. Lindenmayer, R.B. Cunningham, C.F. Donnelly (Canberra, A.C.T., Australia), B.E. Triggs (Genoa, Vic., Australia) and M. Belvedere (Diamond Creek, Vic., Australia) 113
Effects of timber harvesting on low elevation populations of southern Appalachian salamanders
J.W. Petranka, M. P. Brannon, M.E. Hopey (Asheville, NC, USA) and C.K. Smith (High Point, NC, USA) 135
Nutritional quality of deer browse in southern Appalachian clearcuts and mature forests
W.M. Ford, A. S. Johnson and P.E. Hale (Athens, GA, USA) 149
Predicting tree growth from crown variables in managed northern hardwood stands
W.G. Cole and C.G. Lorimer (Madison, WI, USA) 159
Biomass and litter accumulation under managed and natural tropical fallows
L.T. Szott (Raleigh, NC, USA), C.A. Palm (Nairobi, Kenya) and C.B. Davey (Raleigh, NC, USA) 177
White pine seed-tree legacies in an aspen landscape: influences on post-disturbance white pine population structure
B.J. Palik and K.S. Pregitzer (East Lansing, MI, USA) 191
Studies of the soil atmosphere and related physical characteristics in peat forest soils
T. Magnusson (Umeå, Sweden) 203
Soil organic matter relations in five land cover types in the miombo region (Zimbabwe)
J.A. King and B.M. Campbell (Harare, Zimbabwe) 225

Evaluation of potential evaporation as a means to infer loblolly pine seedling physiological response to a given microclimate
R.A. Valigura (Silver Spring, MD, USA) and M.G. Messina (College Station, TX, USA) 241
Biomass production and diameter growth of nine half-sib families of mesquite (*Prosopis glandulosa* var. *glandulosa*) and a fast growing *Prosopis alba* half-sib family grown in Texas
A.B. Duff, J.M. Meyer, C. Pollock and P. Felker (Kingsville, TX, USA) 257
Effect of different media on vegetative propagation of *Prosopis juliflora* cuttings under solar-powered mist
T. Wojtusik, M.T. Boyd and P. Felker (Kingsville, TX, USA) 267
Spatial pattern of *Austrocedrus chilensis* wilting and the scope of autocorrelation analysis in natural forests
P.H. Rosso, N. Baccalá, M. Havrylenko and S. Fontenla (S.C. de Bariloche, Argentina) 273
Geographic pattern of adaptive variation of lodgepole pine (*Pinus contorta* Dougl.) within the species' coastal range: field performance at age 20 years
C.C. Ying (Victoria, B.C., Canada) and Q. Liang (Vancouver, B.C., Canada) 281
Mechanical stress during dormancy stimulates stem growth of Scots pine seedlings
E. Valinger, L. Lundqvist and B. Sundberg (Umeå, Sweden) 299
The impact of aspect on forest floor characteristics in some eastern Australian sites
C.L. Bale and J.L. Charley (Armidale, N.S.W., Australia) 305
Mortality models for mountain and alpine ash
M.A. Burgman (Parkville, Vic., Australia), W. Incoll (Kew, Vic., Australia), P.K. Ades, I. Ferguson, T.D. Fletcher and A. Wohlers (Parkville, Vic., Australia) 319
Analysis of Paulownia-intercropping types and their benefits in Woyang County of Anhui Province
Z. Jiang, L. Gao (Nanjing, People's Republic of China), Y. Fang and X. Sun (Woyang County, People's Republic of China) 329

Short Communications
Growth stimulation of *Hopea* spp. (Dipterocarpaceae) seedlings following ectomycorrhizal inoculation with an exotic strain of *Pisolithus tinctorius*
S.M. Yazid, S.S. Lee (Kuala Lumpur, Malaysia) and F. Lapeyrie (Champenoux, France) 339
Litterfall and seasonal patterns of nutrient accumulation in *Dactyladenia barteria* (Hook f ex. Oliv.) Engl. bush fallow at Ozala, Nigeria
A.I. Okeke and C.P.E. Omaliko (Nsukka, Enugu State, Nigeria) 345

Book Reviews
Ecological effects of afforestation 353
Forestry and the environment 355
Notes on Taungya 357
Population genetics of forest trees 358
Ecology and decline of red spruce 359

Reading List of Recent Books 363

Announcement 365

Author Index 366

Subject Index 368